ABSTRACT OF THE DISCLOSURE

According to a disclosed method, an image is learned beforehand, and an image of an object to be recognized is entered, then this object is recognized. An image including an object to be learned is entered, and it is divided into partial images. Further classifying into plural classes, a matrix for feature extraction is calculated in each class. A feature is calculated by using this matrix for feature extraction, and stored. Consequently, an image including an object to be recognized is entered, and it is divided into partial images. From the partial images, the feature of the object of recognition is calculated by using the obtained matrix for feature extraction, and the similarity measure of the both is calculated by using the data of the stored feature and the feature of the object of recognition, and the object is recognized.